

IN THE CLAIMS

1 Claim 1 (currently amended): A mobile phone set comprising:

2 a personal locator beacon transmitter circuit which transmits a beacon that
3 includes an identification code selected from a serial number and a phone
4 number of the set; and

5 a microprocessor coupled to the circuit and configured to activate the
6 circuit only when there is no mobile phone service available and the mobile phone user
7 requests emergency service.

1 Claim 2 (original): A phone set according to claim 1 further comprising a
2 global positioning system receiver circuit coupled to the microprocessor, the
3 microprocessor further configured to include location coordinates from the global
4 positioning system receiver circuit with a beacon transmitted by the personal locator
5 circuit.

1 Claim 3 (original): A phone set according to claim 1 wherein the personal
2 locator beacon circuit transmits a beacon at a frequency of approximately 406 MHz.

1 Claim 4 (original): A phone set according to claim 3 wherein the personal
2 locator beacon circuit also transmits a homing signal at a frequency selected from
3 approximately 121.5 MHz and 243 MHz.

1 Claim 5 (original): A phone set according to claim 4 further comprising a
2 microphone coupled to the personal locator beacon transmitter circuit such that the
3 homing signal includes voice transmission.

1 Claims 6 – 7 (canceled)

1 Claim 8 (original): A phone set according to claim 1 further comprising a
2 short range transceiver coupled to the personal locator beacon transmitter circuit and the
3 microprocessor such that the locator beacon circuit transmits a beacon that includes
4 emergency information received from the short range transceiver.

1 Claim 9 (currently amended). A method of requesting emergency service
2 on a mobile phone handset comprising the steps of:
3 determining if mobile service is available; and
4 activating a personal locator beacon transmitter circuit in the event that
5 such service is unavailable which circuit transmits a beacon that includes an identification
6 code selected from a serial number and phone number of the handset.

1 Claim 10(original): The method according to claim 9 wherein the
2 transmitter circuit transmits a beacon that includes global positioning system location
3 coordinates.

1 Claims 11 – 12 (canceled)

1 Claim 13(original): The method according to claim 9 wherein the
2 transmitter circuit transmits a beacon at a frequency of approximately 406 MHz.

1 Claim 14(original): The method according to claim 9 wherein the
2 transmitter circuit transmits a homing signal at a frequency selected from approximately
3 121.5 MHz and 243 MHz.

1 Claim 15(original): The method according to claim 14 wherein voice
2 transmission is included with the homing signal.

1 Claim 16(original): The method according to claim 9 wherein the beacon
2 signal includes emergency information received from a short range transceiver located in
3 the handset.